

ligand, a fragment of said chain of said homomeric receptor, said gonadotropin receptor extracellular domain, said chain of said heteromeric receptor, or said ligand [receptors, each of which retains the ligand-receptor binding capability], an antibody light or heavy chain, [a combination of] an antibody light chain which is associated with a corresponding antibody [and] heavy chain [chains], and [a fragment of] an antibody heavy chain which is associated with a corresponding antibody light chain, said ligand or fragment thereof retains ligand-receptor binding capability and said chain of said homomeric receptor or fragment thereof, said gonadotropin receptor extracellular domain or fragment thereof, and said chain of said heteromeric receptor retain ligand-receptor binding capability either alone or in association with a homologous or heterologous chain or extracellular domain of said receptor [or combined antibody chains]; and

(b) a subunit of a heterodimeric proteinaceous hormone, or a fragment thereof which retains the ability of the subunit to form a heterodimer with other subunits thereof;

wherein sequences (a) and (b) are joined either directly or through a peptide linker, and in which the sequences (b) in each of said two coexpressed sequences [are capable of aggregating] aggregate with each other to dimerize and [to] form a heterodimer [dimer] complex.

4 (Twice-Amended). A hybrid protein in accordance with claim 1, wherein sequence (a) is joined, either directly or via a linker, to the amino terminus of sequence (b).